(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 3 February 2005 (03.02.2005)

PCT

(10) International Publication Number WO 2005/010099 A1

(51) International Patent Classification7: B65D 65/46

C08L 97/02,

(21) International Application Number:

PCT/KR2004/001820

(22) International Filing Date: 22 July 2004 (22.07.2004)

(25) Filing Language:

Korean

(26) Publication Language:

English

(30) Priority Data: 10-2003-0051269

25 July 2003 (25.07.2003)

- (71) Applicant (for all designated States except US): GOLD COW TECHNOLOGY CO., LTD. [KR/KR]; 201 ho, Electronic Engineering 51st Bldg., Changwon National University, Sarim-dong, Changwon 641-773 (KR).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): KWON, Yong-Duk [KR/KR]; 126-22 Yeojwa-dong, Jinhae 645-250 (KR).
- (74) Agents: CHANG, Soon-Boo et al.; 8th Fl, Mointer Bldg., 1675-12 Seocho-Dong, Seocho-Gu, Seoul 137-070 (KR).

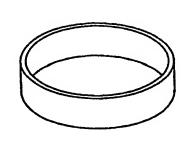
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN. CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI. GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM). European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NATURALLY DECOMPOSING DISPOSABLE TABLEWARE AND MANUFACTURING THEREOF



(57) Abstract: Disclosed is disposable tableware which is completely degradable under environmental conditions without environmental contamination. The disposable tableware is prepared using environmentally friendly, completely degradable materials without additional chemical additives while maintaining the shape and function of general disposable tableware so that it is completely degraded under environmental conditions, thus not causing environmental contamination and problems associated with waste disposal such as separation from other wastes. Also, the present invention discloses a method of manufacturing such disposable tableware. The disposable tableware is prepared by compression-molding a composition including 1-30 wt% of crop residues, 1-30 wt% of com flour, 1-10 wt% of paper mulberry bark, 1-10 wt% of a moss and 30-96 wt% of a grain flour mixture as the remaining part.

